

YALE SCIENTIFIC SCHOOL—
CHEMISTRY AND NATURAL SCIENCE
LECTURES.
FIRST TERM.
General Chemistry.....Prof. BENJAMIN SILLIMAN, Jr.
SECOND TERM.
Geology.....Prof. JAMES D. DANA.
Chemistry of Building Materials.....Prof. BENJAMIN SILLIMAN, Jr.
Agricultural Chemistry.....Prof. JOHN A. PORTER.
THIRD TERM.
Mineralogy.....Prof. JAMES D. DANA.

Chemistry applied to the Arts. Prof. BENJAMIN HILLMAN, Jr.
 Chemical Philosophy. Prof. JOHN A. PORTER.
 ASSISTANT INSTRUCTORS.
 SAM. W. JOHNSON, 1st Asst.; CHAS. H. POTTER, 2d Asst.;
 Lectures on Natural Philosophy, by Prof. OLIVESTED, are ac-
 cessible to students in this department. Parallel with the
 above courses, instruction in Chemical Microscopy and Practical
 Analysis will be given at the Analytical Laboratory during the
 whole year. Previous to the chemistry and the other branches
 taught is not essential admission to the course.
 (From S. A. M. to A. P. each day) including

the materials and use of apparatus belonging to the Laboratory.....\$50 per term.
Average cost of apparatus and materials to be purchased by each student.....\$5 per term.
Lectures—To Laboratory students, free;
to others.....\$3 to 10 per course.
Matriculation Fee.....\$1
Assays and Chemical and Geological investigations generally will be undertaken on reasonable terms.

ENGINEERING.

WM. A. NORTON, Prof. of English, 1. ALONZO T. MOSMAN, Asst.

Course of instruction.—Surveying in all its branches, with use of instrument and apparatus; exercises in the field; Drawing, topographical, geometrical, mechanical, architectural, &c., with shading and tinting; Descriptive Geometry, Shades and Shadows, Linear Perspective, Isometric Projection; Applications of Descriptive Geometry to Machinery and Structures, and to Civil and Mechanical Engineering, generally; Principles of Architecture; Analytical Geometry, and the Differential and Integral Calculus; Mechanics, with Applications to Machinery and Engineering; the Science of Construction; Engineering Field Instruments; and the use of the various instruments for determining the astronomical position of a place.

The student may pursue a partial or a full course, at his option. The studies required for admission to the full course are: Arithmetic, Algebra, Geometry and Trigonometry.

Tuition fee, for the full course of each term, \$30, to be paid in advance. See for the course of surveying alone, \$12. No charge for incidental expenses beyond the matriculation fee of \$3.

The academical year is divided into three terms commencing in 1855-6, on September 12, January 2 and May 1, and continuing thenceforward.

Students who pass a satisfactory examination in either of the above Departments are entitled to the degree of Bachelor of Philosophy, after being two years connected with the school.
Yale College, New-Haven, September, 1853.

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